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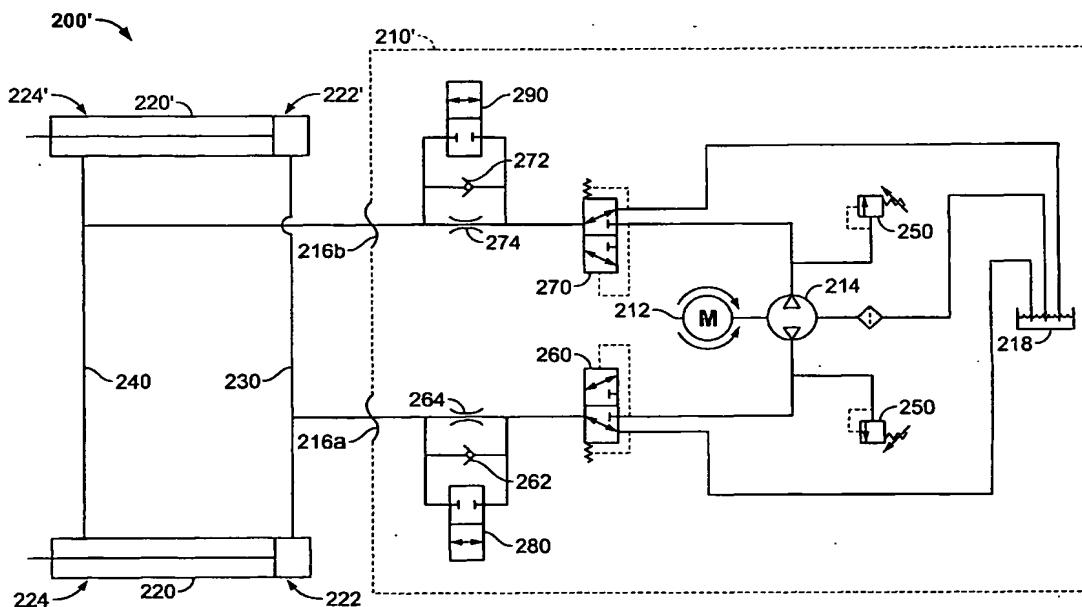
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[Continued on next page]

(54) Title: HYDRAULIC DRIVE SYSTEM



(57) Abstract: A hydraulic drive system for reversibly operating a device such as a wheelchair ramp or other type of mobility access device is provided. The hydraulic drive system includes a bi-directional power unit that is in fluid communication with a cylinder for deploying and stowing the ramp. The system further includes valves disposed between the cylinder and pump, which may be spring biased shuttle-type valves. In one embodiment, the valves are normally biased so that the cylinder and ramp may move freely such that the ramp may be manually operated during a loss of electrical power to the power unit.

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